

Message

From: Dennis, Allison [Dennis.Allison@epa.gov]
Sent: 11/24/2020 8:11:32 PM
To: Dunn, Alexandra [dunn.alexandra@epa.gov]; Messina, Edward [Messina.Edward@epa.gov]; Keigwin, Richard [Keigwin.Richard@epa.gov]
CC: Ozmen, Shamus [Ozmen.Shamus@epa.gov]; Siedschlag, Gregory [Siedschlag.Gregory@epa.gov]
Subject: Fwd: Summary of MassDEP call with Globe

FYI

Sent from my iPhone

Begin forwarded message:

From: "Drinkard, Andrea" <Drinkard.Andrea@epa.gov>
Date: November 24, 2020 at 2:16:11 PM EST
To: "Dunn, Alexandra" <dunn.alexandra@epa.gov>, "Dennis, Allison" <Dennis.Allison@epa.gov>
Subject: FW: Summary of MassDEP call with Globe

From: Deegan, Dave <Deegan.Dave@epa.gov>
Sent: Tuesday, November 24, 2020 1:12 PM
To: Drinkard, Andrea <Drinkard.Andrea@epa.gov>; Hoverman, Taylor <hoverman.taylor@epa.gov>
Cc: Deziel, Dennis <Deziel.Dennis@epa.gov>; Szaro, Deb <Szaro.Deb@epa.gov>; Gutro, Doug <Gutro.Doug@epa.gov>; Dixon, Sean <dixon.sean@epa.gov>; McGuire, Karen <Mcguire.Karen@epa.gov>; Barmakian, Nancy <Barmakian.Nancy@epa.gov>; Hayes, Sharon <Hayes.Sharon@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>; Dennis, Allison <Dennis.Allison@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>; Dinkins, Darlene <Dinkins.Darlene@epa.gov>; Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Siedschlag, Gregory <Siedschlag.Gregory@epa.gov>; Hull, George <Hull.George@epa.gov>; Norcross, Jeffrey <Norcross.Jeffrey@epa.gov>; Deegan, Dave <Deegan.Dave@epa.gov>; Hewitt, James <hewitt.james@epa.gov>
Subject: FW: Summary of MassDEP call with Globe

Hi All, please see below the summary of interview Massachusetts officials had with Boston Globe this morning. Of particular note please see the final statement attributed to reporter asking about use of product in 27 states and wondering about how widespread a concern this might be. He has not asked that particular question of us but flagging it for awareness/consideration vis-à-vis the desk statement we are developing (sent revision a few minutes ago to you all).

Thanks!

Dave

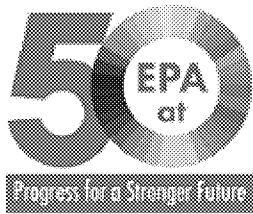
~~~~~

Dave Deegan

U.S. EPA, New England Regional Office

Office of Public Affairs

phone: 617.918.1017 | mobile: 617.594.7068



---

**From:** Coletta, Edmund (DEP) <[edmund.coletta@state.ma.us](mailto:edmund.coletta@state.ma.us)>

**Sent:** Tuesday, November 24, 2020 10:20 AM

**To:** Deegan, Dave <[Deegan.Dave@epa.gov](mailto:Deegan.Dave@epa.gov)>

**Subject:** RE: Globe PFAS story

Hi Dave,

So we talked to Abel with Commissioner Suuberg, our Office of Research and Standards Director Mark Smith and EEA Assistant Secretary Dan Sieger and he got into areas such as when were the tests done and how many, if the manufacturer doesn't use PFAS, how did it get in there, are the levels of PFAS seen in Anvil a danger to the public and the environment, does the state plan to ban this chemical, are you looking at alternative chemicals, how much Anvil was sprayed and how much did it cost the state, how many acres were sprayed, etc.?

We talked about working with PEER, state agencies and EPA R1 on this issue and how we are still reviewing and looking to do more sampling b/c we don't really know how the PFAS got in there, manufacturing, the container or some other way? We said we take the issue seriously, but the levels are pretty low and with the dilution factor included, we don't believe there is a public health risk of concern. On the issue of banning Anvil, we said that it was too early to make that call and we continue to research the issue and look into other pesticide alternatives in anticipation of next summer's mosquito season. We are following up with info to send him about the amount of Anvil used this year and since we started using it in 2000, how many acres have been sprayed with it this year and since 2000 and what towns were involved.

It sounds like he's looking to talk to EPA about these issues and what it means since numerous states (27 I think he said) use Anvil and this could be a problem across the country.

Hope this helps...

Thanks, Ed

---

**From:** Deegan, Dave <[Deegan.Dave@epa.gov](mailto:Deegan.Dave@epa.gov)>

**Sent:** Tuesday, November 24, 2020 9:00 AM

**To:** Coletta, Edmund (DEP) <[edmund.coletta@mass.gov](mailto:edmund.coletta@mass.gov)>

**Subject:** RE: Globe PFAS story

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Many thanks Ed!

Dave

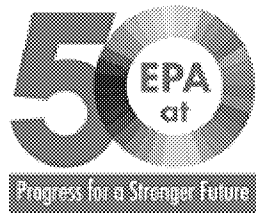
~~~~~

Dave Deegan

U.S. EPA, New England Regional Office

Office of Public Affairs

phone: 617.918.1017 | mobile: 617.594.7068



From: Coletta, Edmund (DEP) <edmund.coletta@state.ma.us>

Sent: Tuesday, November 24, 2020 8:40 AM

To: Deegan, Dave <Deegan.Dave@epa.gov>

Subject: RE: Globe PFAS story

Hi Dave – FYI that we’re talking to David Abel at 9 today on the PFAS in Anvil issue ... the Commissioner and a staffer will be talking to him. Will let you know how it goes.

Thanks, Ed

From: Deegan, Dave <Deegan.Dave@epa.gov>

Sent: Monday, November 23, 2020 9:28 AM

To: Coletta, Edmund (DEP) <edmund.coletta@mass.gov>

Subject: RE: Globe PFAS story

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Is there a set time that the Commissioner is talking to Globe?

Thanks!

Dave

~~~~~

Dave Deegan

U.S. EPA, New England Regional Office

Office of Public Affairs

phone: 617.918.1017 | mobile: 617.594.7068



---

**From:** Coletta, Edmund (DEP) <[edmund.coletta@state.ma.us](mailto:edmund.coletta@state.ma.us)>

**Sent:** Monday, November 23, 2020 9:16 AM

**To:** Deegan, Dave <[Deegan.Dave@epa.gov](mailto:Deegan.Dave@epa.gov)>; Higley, Caroline (ENV) <[caroline.higley2@state.ma.us](mailto:caroline.higley2@state.ma.us)>  
**Cc:** McGuire, Karen <[Mcguire.Karen@epa.gov](mailto:Mcguire.Karen@epa.gov)>  
**Subject:** RE: Globe PFAS story

Thanks, Dave ... he did send it our way as well.  
Ed

---

**From:** Deegan, Dave <[Deegan.Dave@epa.gov](mailto:Deegan.Dave@epa.gov)>  
**Sent:** Monday, November 23, 2020 9:09 AM  
**To:** Higley, Caroline (EEA) <[Caroline.Higley2@mass.gov](mailto:Caroline.Higley2@mass.gov)>; Coletta, Edmund (DEP) <[edmund.coletta@mass.gov](mailto:edmund.coletta@mass.gov)>  
**Cc:** Deegan, Dave <[Deegan.Dave@epa.gov](mailto:Deegan.Dave@epa.gov)>; McGuire, Karen <[Mcguire.Karen@epa.gov](mailto:Mcguire.Karen@epa.gov)>  
**Subject:** FW: Globe PFAS story

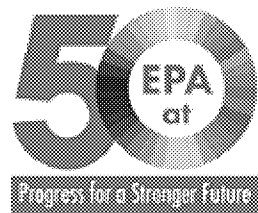
CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Assume you guys may have these questions or line of inquiry but wanting to share for awareness.

Thanks!  
Dave

~~~~~

Dave Deegan
U.S. EPA, New England Regional Office
Office of Public Affairs
phone: 617.918.1017 | mobile: 617.594.7068



From: Abel, David <dabel@globe.com>
Sent: Sunday, November 22, 2020 6:12 PM
To: Leifer, Kerry <Leifer.Kerry@epa.gov>; Deegan, Dave <Deegan.Dave@epa.gov>
Subject: Globe PFAS story

Hi Kerry and Dave,

I hope all's well. I'm working on a potential story about elevated levels of PFAS found in Anvil, the insecticide Massachusetts and other states use to spray for EEE. Below is a table of findings from DEP, as well as a press release and other documents from PEER, urging the state to ban the use of the chemicals.

Just wondering if you could respond to these questions:

-- Are these findings of PFAS in Anvil from the DEP concerning, and if so, why or why not?

-- Should we be as concerned about forever chemicals (which don't degrade) being sprayed by air and truck entering drinking water and other water systems, and if so, why?

-- Based on these findings, should the EPA or states ban the use of these chemicals, and if so, why or why not?

Thanks!

Best, David

Summary Table of PFAS Concentrations from MassDEP Anvil 10 + 10 Sampling:

Sample collection date	9/22	9/22	9/22	9/22	9/22	10/21	10/21	10/21	10/21	10/22
Sample type	55 gal. drum 1	55 gal. drum 2	CONTROL: sampling device rinse cntrl. for 55 gal. drum 1 and 2	2.5 gal. jug 1 (SAMPLE 3)	sampling device rinse cntrl. 2.5 gal. jug 1	55 gal. drum 1	55 gal. drum 2	55 gal. drum 3 and duplicate sample	Sampling device rinse cntrl. for 55 gal. drum 1 and 2	2.5 gal. jug 2 and Duplicate sample
PFAS Compound	Concentration in nanograms per liter (ng/L) or part per trillion (ppt)									
Perfluorobutanoic Acid (PFBA)	692	171	ND ND	52.8 J	ND	716	174	230 216	ND ND	59.2 J 62.9 J
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluoropentanoic Acid (PFPeA)	296	76.6 J	0.370 J ND	35.2 J	ND	290	55.4 J	88.7 J 84.7 J	ND ND	41.5 J 41.2 J
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluorohexanoic Acid (PFHxA)	132	41.2 J	0.407 J ND	17.6 J	0.461 J	105	23.7 J	37.4 J 42.3 J	ND ND	19.7 J ND
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluoroheptanoic Acid (PFHpA)	53.4 J	23.6 J	ND ND	ND	ND	47.6 J	ND	ND 19.2 J	ND ND	ND ND
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ND ND	52.8 J	ND	ND	ND	ND ND	ND ND	59.2 J 57 J
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ND ND	ND	ND	29.8 J	31.6 J	27.6 J 28.9 J	ND ND	ND ND
Perfluorooctanoic Acid (PFOA)	25.7 J	ND	ND ND	ND	ND	21.8 J	ND	ND ND	ND ND	ND ND
Perfluoroheptanesulfonic Acid (PFHpS)	107	100	ND ND	125	ND	ND	98.9	63.0 J 52.0 J	ND ND	138 108
Perfluorononanoic Acid (PFNA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluorooctanesulfonic Acid (PFOS)	73.1 J	ND	ND ND	76.2 J	2.73	ND	ND	ND ND	3.31 ND	132 141

9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluorodecanoic Acid (PFDA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluoroundecanoic Acid (PFUnA)	13.8 J	ND	ND ND	21.5 J	ND	184	ND	ND ND	ND ND	ND ND
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND
Perfluorododecanoic Acid (PFDoA)	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND ND

Table notes: ND = not detected; J = estimated value; Tube rinse cntrl. = sampling device rinsates performed at sampling site prior to sample collection to assess any sampling device contamination. All field and trip blanks were generally non-detect and are not presented. In one, PFOS was detected at 3.3 ppt.

All samples were analyzed by Alpha Analytical, Mansfield, MA. using a modified version of EPA Method 533. Stated reporting limits for product samples were below 100 ng/L with detection limits ranging from approximately 5-50 ng/L depending on the analyte. QA/QC issues were appropriately noted by Alpha Analytical in the lab reports but all QA/QC elements have not been fully reviewed by MassDEP at this time.

The September and October samples were collected by two different contractors using new sampling devices. The October 2.5 gallon jug samples were directly poured into the sample collection tubes.

Initial samples that were collected on 9/2 are not presented. These were invalidated because appropriate field controls were not collected by the contractor and results were consistent with samples being contaminated during collection. In that round, five to thirteen PFAS were detected in duplicate analyses of the single drum 1 sample collected, with a maximum concentration of 25 ug/L (25,000 ppt) for PFBA.

David Abel

Reporter

The Boston Globe

dabel@globe.com

Follow on Twitter @davabel

See my bio [here](#), films [here](#), and recent stories [here](#)